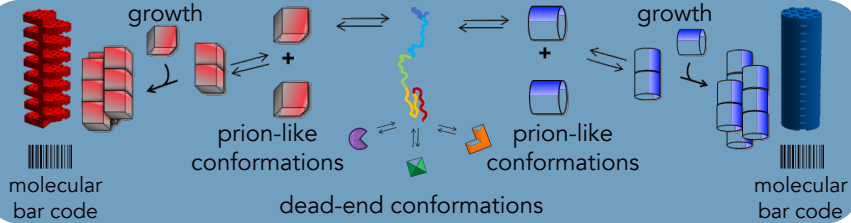


A quantitative approach towards the characterisation of mitochondrial dysfunction in Parkinson's Disease

Highly characterized pathogenic fibrillar α Syn polymorphs



In vitro models

α Syn toxicity in primary neurons

iPSC-derived neuronal PD model

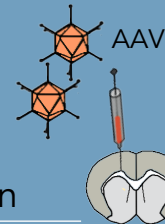
Direct reprogramming

3D culture model

In vivo models

Intra-striatal α Syn injection

α Syn overexpression



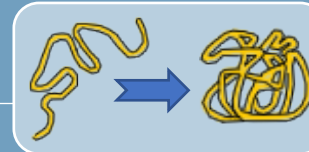
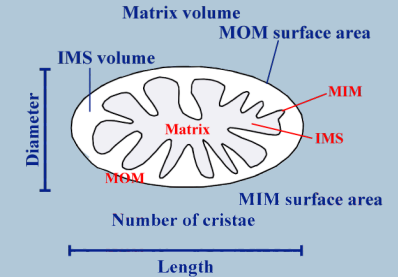
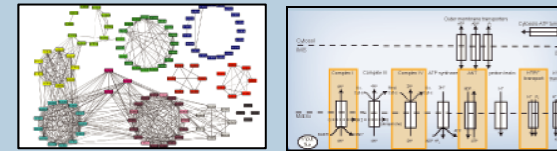
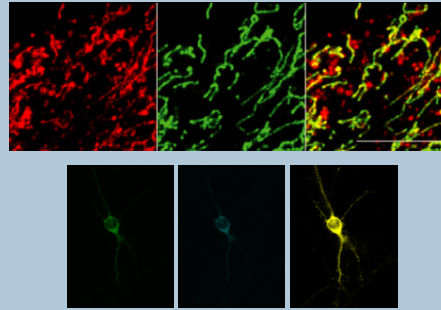
Mitochondrial assays

Bioenergetics & Dynamics

Morphofunction studies

Proteostasis & stress response

Identification of master regulators



High throughput target validation platforms

C. Elegans

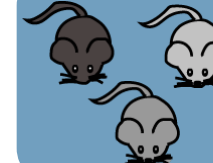
Drosophila



End point assays & signature validation platforms

Transgenic models

PD patient biobank



PARKINSON'S^{UK}
CHANGE ATTITUDES. FIND A CURE. JOIN US.

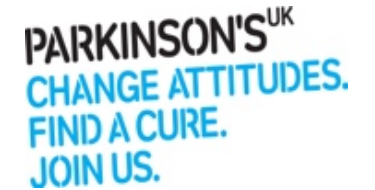
Academic partners



EFPIA partners



Patient organisation



SME partners



Project management

